



OST-23G-S

PHOTO TRANSISTORS

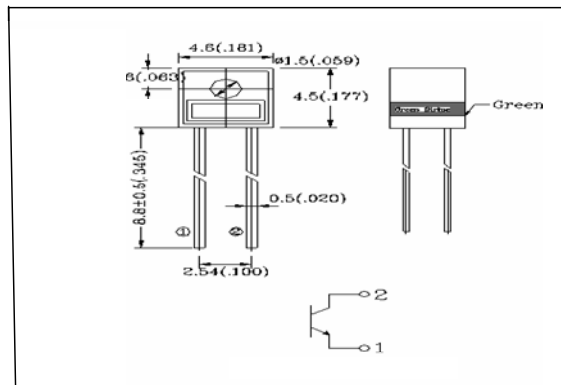
The OST-23G-S, a high-sensitivity silicon phototransistor mounted in a clear sidelooking package, is compact, low profile, and easy to mount.

FEATURES

- Compact
- Low profile package
- Low cost
- Sidelooking plastic package

APPLICATIONS

- Photointerrupters
- Optical switches



MAXIMUM RATINGS (Ta=25.)

Item	Symbol	Rating	Unit
Collector-Emitter Saturation Voltage	V _{CE}	0..5	V
Collector-Emitter Breakdown Voltage	V _{CEO}	30	V
Emitter-Collector Breakdown Voltage	V _{ECO}	5	V
Power dissipation	P _d	100	mW
Operating temperature	T _{opr}	-45 ~ + 85	•
Storage temperature	T _{stg}	-45 ~ +100	•
Lead soldering temp. *1	T _{sol}	260	•

(*1) Soldering time t=5sec. 5mm remoted from lead origin.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25.)

Item	Symbol	Condition	Min	Typ	Max	Unit
Light Current	I _{C(on)}	V _{ce} =5V E _e =0.5mW/cm ²	0.362	-	0.807	mA
Dark Current	I _d	V _{ce} =10V E _e =0mW/cm ²	-	-	100	nA
Rise/Fall Time	t _r / t _f	F=100Hz V _{ce} =5V, R _L =1K _Ω		10/15		μs
Peark emission wavelength	λ _p	V _{ce} =5V E _e =0.5mW/cm ²		940		nm
Viewing angle	Δθ	V _{ce} =5V E _e =0.5mW/cm ²		±20		deg.

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Electrical And Optical Curves (Ta=25.)

